

Please replace the paragraph beginning at page 3, line 11, with the following rewritten paragraph:

--Referring now to the drawings, wherein like reference numerals designate identical or corresponding parts throughout the several views, and more particularly to Figure 1 thereof, wherein system 10 is shown as including a printed circuit board arrangement 12. The circuit board includes an array 14 of ultrasonic piezo film elements. For purposes of discussion, this array will be indicated as an 8 x 8 array, although any number of elements is possible. Usually, it is preferable to have as large a number as possible in order to obtain better resolution of the image. However, this is limited by the amount of space available since it is also preferable to keep the printed circuit board small for easy positioning.--

Please replace the paragraph beginning at page 4, line 10, with the following rewritten paragraph:

--The input lines from the cable are connected to multiplexer 24 which sequentially selects one of the input lines for connection to output line 26 which is attached to further electronic processing devices such as an amplifier. Switching device 28 is also connected to the input lines, but operates in the reverse fashion of multiplexer 24. That is, all of the input lines except the selected one are connected to ground while the switch to the selected line is left open. Address input 30 is connected to both multiplexer 24 and switch unit 28 so that the selected input line is indicated to both at the same time. The result of this is that the selected line is connected to the amplifier in a standard fashion while the remaining lines are all connected to

ground. This causes all of the input lines to be grounded so that no extraneous crosstalk signals can be generated and also other noise is prevented.--

Please replace the paragraph beginning at page 6, line 26, and extending to page 7, with the following rewritten paragraph:

--Figure 4 shows a simplified arrangement of 16 elements of an array with their connections to the multiplexer and switching units. As can be seen in this diagram, the top line which is connected at one end to array element 4 is connected at the other end in multiplexer 24 to the output line connected to an amplifier. At the same time, this same line is connected in the switching device to the only switch which is open at that time. The remaining switches are all connected to ground so that every line connected to each pad except the selected one is grounded to prevent noise and crosstalk. Both the multiplexer and the switching element are connected to the same address line 30 so that the same line is selected in both cases. The addressing circuitry can be the same in both units. As can be appreciated, the switching unit operates in exactly the same way as the multiplexer except that it opens one switch at a time rather than closing one switch at a time.--

#### IN THE CLAIMS:

Please amend the claims as follows:

1. (Amended) A printed circuit board for an ultrasonic array comprising: